

ABSTRACT OF THE DISCLOSURE

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The present invention relates to an orthogonal spreading code in a CDMA
mobile communication system, and more particularly, to a method for generating and
5 allocating code or code pairs on the basis of an orthogonal code set, which is generated
using orthogonal spreading codes, so as to reduce a peak-to-average power ratio and
enlarge the length of an interference free window. In accordance with the invention, at
least one orthogonal code set is generated based upon orthogonal spreading codes, one
of the at least one orthogonal code set is determined as a representative orthogonal code
10 set, and then the order is allocated according to rules determined based upon the
representative orthogonal code set. The codes or code pairs are generated and
allocated using the orthogonal spreading codes, so as to reduce a Peak-to-Average
Power Ratio or extend the length of an IFW.